

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

2

**AMENDMENTS TO THE CLAIMS:**

1. (Currently amended) A bug collection apparatus for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said apparatus comprising:

means for detecting when a design modification is made to a bug in a drawing designed by using a computer aided design system;

first means for detecting whether said modification to said bug exceeds a pre-established criterion;—and

second means for collecting and recording a bug information corresponding to said modification when said first means detects that said modification exceeds said pre-established criterion.

2. (Previously presented) A bug collection apparatus according to claim 1, wherein said information includes character information.

3. (Previously presented) A bug collection apparatus according to claim 1, wherein said first means and said second means are provided separately from one another,

said bug collection apparatus comprising a third means for sending said bug information from said first means to said second means.

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAL018)

3

4. (Currently amended) A bug collection apparatus for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said apparatus comprising:

means for detecting when a design modification is made to a bug in a drawing designed by using a computer aided design system;

first means for detecting whether said [[a]] modification to said bug exceeds a pre-established criterion;

second means, which is provided separately from said first means, for collecting and recording a bug information corresponding to said modification when said first means detects that said modification exceeds said pre-established criterion; and

third means for sending said bug information from said first means to said second means.

5. (Currently amended) A method for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said method comprising:

detecting whether a design modification is made to a bug in a drawing designed by using a computer aided design system;

detecting whether ~~or not~~ said modification to said bug exceeds a pre-established criterion; and

collecting a bug information corresponding to said modification when an information including said modification exceeding said pre-established criterion is detected.

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

4

6. (Currently amended) A method for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said method comprising:

detecting when a design modification is made to a bug in a drawing designed by using a computer aided design system;

detecting whether ~~or not~~ said modification to said bug exceeds a pre-established criterion;

sending a bug information corresponding to said modification to a collector, which is provided separately from a detector, for collecting and recording said bug information, when an information including said modification exceeding said pre-established criterion is detected; and

collecting and recording said bug information sent to said collector.

7. (Currently amended) A computer program for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said computer program causing a computer to execute a sequential method comprising:

detecting when a design modification is made to a bug in a drawing designed by using a computer aided design system;

detecting whether ~~or not~~ said modification to said bug exceeds a pre-established criterion; and

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

5

collecting a bug information corresponding to said modification when an information including said modification exceeding said pre-established criterion is detected.

8. (Currently amended) A computer program for collecting bug information ~~when a design modification is made to a bug in a drawing designed by using a computer aided design system~~, said computer program causing a computer to execute a sequential method comprising:

detecting when a design modification is made to a bug in a drawing designed by using a computer aided design system;

detecting whether ~~or not~~ said modification to said bug exceeds a pre-established criterion;

sending a bug information corresponding to said modification to a collector, which is provided separately from a detector, for collecting and recording said bug information, when an information including said modification exceeding said pre-established criterion is detected; and

collecting and recording said bug information sent to said collector.

9. (Previously presented) A bug collection apparatus for automatically collecting bug information when modifying a design using a computer aided design system, said apparatus comprising:

means for detecting whether a design modification is generated;

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

6

means for automatically determining whether said design modification exceeds a predetermined criterion; and

means for automatically collecting and recording a bug information corresponding to said modification when said modification exceeds said predetermined criterion.

10. (Previously presented) The bug collection apparatus according to claim 9, wherein said means for automatically collecting and recording is provided separately from said means for detecting, and

wherein said apparatus further comprises means for sending said bug information from said means for determining to said means for collecting and recording.

11. (Previously presented) A method for automatically collecting bug information when modifying a design using a computer aided design system, said method comprising:

detecting a modification to said design;

determining whether said modification exceeds a predetermined criterion; and

collecting a bug information corresponding to said modification when said modification exceeds said predetermined criterion.

12. (Previously presented) The method according to claim 11, further comprising:

sending said bug information corresponding to said modification to a collector for collecting said bug information when said modification exceeds said predetermined criterion; and

recording said bug information received by said collector.

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

7

13. (Previously presented) The bug collection apparatus according to claim 1, wherein said first means automatically detects whether said modification exceeds said pre-established criterion.

14. (Previously presented) The bug collection apparatus according to claim 1, wherein said first means instantaneously detects whether said modification exceeds said pre-established criterion.

15. (Previously presented) The bug collection apparatus according to claim 1, wherein said first means detects whether each said modification exceeds said pre-established criterion.

16. (Previously presented) The bug collection apparatus according to claim 1, wherein said second means automatically collects and records said bug information.

17. (Previously presented) The bug collection apparatus according to claim 1, wherein said second means automatically collects and records said bug information for each said modification.

18. (Canceled).

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAL018)

8

19. (Previously presented) The bug collection apparatus according to claim 1, further comprising:

means for continuously detecting design modifications.

20. (Previously presented) The bug collection apparatus according to claim 1, further comprising:

means for automatically detecting design modifications.

21. (Previously presented) The bug collection method according to claim 5, wherein said detecting comprises automatically detecting whether said modification exceeds said pre-established criterion.

22. (Previously presented) The bug collection method according to claim 5, wherein said detecting comprises instantaneously detecting whether said modification exceeds said pre-established criterion.

23. (Previously presented) The bug collection method according to claim 5, wherein said detecting comprises detecting whether each said modification exceeds said pre-established criterion.

24. (Previously presented) The bug collection method according to claim 5, wherein said collecting comprises automatically collecting said bug information corresponding to

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

9

said modification when said information including said modification exceeding said pre-established criterion is detected.

25. (Previously presented) The bug collection method according to claim 5, wherein said collecting comprises automatically collecting said bug information corresponding to each said modification when said information including said modification exceeding said pre-established criterion is detected.

26. (Canceled).

27. (Previously presented) The bug collection method according to claim 5, further comprising continuously detecting design modifications.

28. (Previously presented) The bug collection method according to claim 5, further comprising automatically detecting design modifications.

29. (Previously presented) A bug collection apparatus for automatically collecting bug information when modifying a design using a computer aided design system, said apparatus comprising:

a detector that detects whether a design modification is generated;

a determiner that automatically determines whether said design modification exceeds a predetermined criterion; and



Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

10

a collector that automatically collects and records a bug information corresponding to said modification when said modification exceeds said predetermined criterion.

30. (Previously presented) The bug collection apparatus according to claim 1, wherein said first means detects whether each modification to said bug exceeds a pre-established criterion.

31. (Previously presented) The bug collection apparatus according to claim 1, wherein said first means detects whether a plurality of modifications to said bug exceeds a pre-established criterion.

32. (Previously presented) The bug collection apparatus according to claim 1, wherein said second means collects and records a bug information corresponding to each modification when said first means detects that said each modification exceeds said pre-established criterion.

33. (Previously presented) The bug collection apparatus according to claim 1, wherein said second means collects and records a bug information corresponding to a plurality of modifications when said first means detects that said plurality of modifications exceeds said pre-established criterion.

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAI.018)

11

34. (Previously presented) The bug collection apparatus according to claim 29, wherein said determiner automatically determines, without human intervention, whether said design modification exceeds said predetermined criterion.

35. (Previously presented) The bug collection apparatus according to claim 29, wherein said collector automatically collects and records, without human intervention, said bug information corresponding to said modification when said modification exceeds said predetermined criterion.

36. (Previously presented) A bug collection apparatus for automatically collecting bug information when modifying a design using a computer aided design system, said apparatus comprising:

a detector that detects whether a design modification is generated;

a determiner that automatically determines, prior to an end of a design modification process, whether said design modification exceeds a predetermined criterion; and

a collector that automatically collects and records a bug information corresponding to said modification when said modification exceeds said predetermined criterion.

37. (Previously presented) The bug collection apparatus according to claim 36, wherein said determiner automatically determines, at a time of said design modification, whether said design modification exceeds a predetermined criterion.

Serial No. 09/808,131  
Docket No. NEC2120-US  
(SAL018)

12

38. (Previously presented) The bug collection apparatus according to claim 36, wherein said determiner automatically determines, at a time when said design modification is made, whether said design modification exceeds a predetermined criterion.